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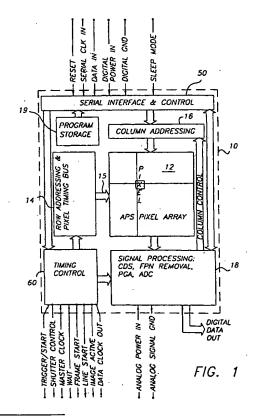
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(54) A CMOS active pixel digital camera

(57) An image sensor device comprising a silicon substrate having a plurality of CMOS circuit formed thereon, including a pixel array having a plurality of rows and a plurality of columns, a row addressing circuit operatively connected to each the pixel array and the timing control circuit, the row addressing circuit having a row bus that provides address lines to each row in the pixel array, a column addressing circuit, a pixel timing circuit, a timing control logic block, a signal processing circuit, and an interface circuit coupled to external computational means for provision of address and control signals to the sensor device, the interface circuit being operatively coupled the timing control logic, the pixel timing circuit, the row addressing circuit and the column addressing circuit.





EUROPEAN SEARCH REPORT

EP 99 20 0052

	DOCUMENTS CONSID	ERED TO BE RELEVANT		
Category	Citation of document with in of relevant passa	ndication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	NIXON R H ET AL: *256X256 CMOS ACTIVE PIXEL SENSOR CAMERA-ON-A-CHIP* IEEE INTERNATIONAL SOLID STATE CIRCUITS CONFERENCE,US,IEEE INC. NEW YORK, vol. 39, 1 February 1996 (1996-02-01), pages 178-179,440, XP000685585 ISSN: 0193-6530 * the whole document *		1-10	H04N3/15 H04N5/235
X	CHIP" IEEE MICRO,US,IEEE vol. 18, no. 3, 1 M pages 8-15, XP00075 ISSN: 0272-1732 Chapter "System on	lay 1998 (1998-05-01), 5752 a Chip", figures 6,7	1,2,5-16	
A	Chapter "Rapid rate of progress" NAKAMURA J ET AL: "ON-FOCAL-PLANE SIGNAL PROCESSING FOR CURRENT-MODE ACTIVE PIXEL SENSORS" IEEE TRANSACTIONS ON ELECTRON DEVICES, US, IEEE INC. NEW YORK, vol. 44, no. 10, 1 October 1997 (1997-10-01), pages 1747-1758, XP000703889 ISSN: 0018-9383 * figure 13 *		1-10	TECHNICAL FIELDS SEARCHED (Int.Cl.6) HO4N
	The present search report has	been drawn up for all claims	1	
	Place of search	Date of completion of the search		Examiner
	THE HAGUE	15 December 2000) De	Paepe, W
X : part Y : part doct A : tech	ATEGORY OF CITED DOCUMENTS ticularly relevant if taken alone icularly relevant if combined with anot unent of the same category enclogical background evritten disclosure rmediate document	T : theory or principl E : earlier patent do after the filing da	le underlying the is current, but publiste te in the application or other reasons	nvention shed on, or